## WHAT IS CLAIMED IS:

- 1. A digital camera module, comprising:
- a barrel having external threads on an external surface 5 thereof, with one or more lenses set in the barrel, and an assembling plate mounted to an upper surface of the barrel;
  - a camera module housing assembled with the barrel, the housing having an internally threaded opening through which the barrel is mounted to the housing;
- an image sensor converting an image of a subject into an electrical image signal; and
  - a substrate having an electronic circuit, with the image sensor installed on the substrate.
- 2. The digital camera module according to claim 1, wherein the assembling plate is made of a magnetic material or a metal sheet which is magnetically attracted to a magnet.
- 3. The digital camera module according to claim 2, wherein 20 the assembling plate is provided with a baffle so as to prevent an incidence of undesired light beams to the lenses of the barrel.
- 4. The digital camera module according to claim 2 or 3, 25 wherein the assembling plate is provided with a plurality of

tool holes so as to hold the barrel during a process of assembling the barrel with the housing.

- 5. The digital camera module according to claim 1, wherein the assembling plate is mounted to the upper surface of the barrel through a bonding technique by use of an adhesive.
  - 6. A method of assembling a digital camera module, comprising:
- holding a plurality of barrels, each having a magnetic assembling plate, in a jig having a first magnet;

assembling one or more lenses in each of the barrels held in the jig so as to align the lenses in the barrel;

attaching each of the barrels having the lenses to an assembling handler having a second magnet; and

assembling each of the barrels to a camera module housing by manipulating the assembling handler.

- 7. The method according to claim 6, further comprising:
  20 measuring a lens alignment after the lenses are assembled in each of the barrels.
  - 8. An apparatus for assembling a digital camera module, comprising:
- a jig having a first magnet to hold a plurality of barrels

each having a magnetic assembling plate at an end thereof; and
an assembling handler having a second magnet at an end
thereof to be magnetically attached to the magnetic assembling
plate of each of the barrels, the assembling handler being
manipulated to assemble the barrel with a camera module
housing.

- 9. The apparatus according to claim 8, wherein the jig has a plurality of barrel holding holes arranged in a line so as to 10 hold the barrels such that a part of each of the barrels is seated in each of the barrel holding holes, with the first magnet placed at bottom surfaces of the barrel holding holes.
- 10. The apparatus according to claim 8, wherein the assembling plate of each of the barrels is provided with a tool hole, and the second magnet of the assembling handler has an engaging projection to be inserted into the tool hole of the assembling plate.